
Rule DAS232: LARGE PEND TIME MAY BE CAUSED BY OTHER SYSTEM

Finding: A significant amount of the PEND time delay may have been caused by activity from another system sharing the volume, since the PEND time was not explained by high path activity. (Note that other activity not detectable by CPEXpert could have caused high PEND time, so the cause may not be activity by another system.)

Impact: This finding may have a MEDIUM IMPACT or HIGH IMPACT on the performance of the device.

Logic flow: The following rules cause this rule to be invoked:
 DAS200: Volume with the worst overall performance
 DAS230: Major cause of I/O delay was PEND time

Discussion: PEND time is the time from the issuance of the SSCH instruction until the device is selected by the control unit. This time is caused by queuing for the path (wait for channel, wait for control unit or wait for head-of-string), and can be caused by other systems sharing the device (wait for device).

If the large PEND time was not explained by path utilization, CPEXpert determines whether the IOCP macros indicated that the device was shared with another system. If the device is shared with another system, large PEND time may indicate contention with the other system.

Suggestion: Please refer to Rule DAS131 for suggestions on how to reduce PEND time caused by other systems.